APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Arbuzov, A. E. and Abramov, V. S.
ACTION DES ÉTHERS CHLORO-ET BROMOMALONIQUES SUR LES SELS DE L'ACIDE DIÉTHYLPHOSPHOREUX (Action of Chloro- and Bromomalonic Ester on Salts of Diethyl Phosphorous Acid). 7p
2 refs FR-783.
Order from OTS, ETC or CNRS $0.80 62-269064

Trans. in French of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk, Izvestiya, 1946, no. 2, p. 223-224.

DESCRIPTORS: *Malonic acids, Esters, Chlorine compounds, Bromine compounds, Phosphites, Ethyl radicals, radicals, *Phosphorus acids, *Phosphorus compounds (Organic).

(Chemistry--Organic, TT, v. 10, no. 10)

62-26964

1. Title: Bromomalonate
2. Title: Chloromalonate
3. Title: Diethylphosphite
I. Arbuzov, A. E.
II. Abramov, V. S.
III. FR-783
IV. Centre National de la Recherche Scientifique

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Crystal Chemistry of Aromatic Compounds. Part I. Packing of Molecules in Crystals of Organic Compounds, by A. I. Kitaigorodskiy.

RUSSIAN, Zhur Fiz Khim, Ig Ak Nauk SSSR, Otdel Khim Nauk No 3, pp 265-274, 1946.

Insdoc
Nat'l Phys Lab of India
Hillside Rd
New Delhi 12
India.

Sci - Chemistry
Aug 56 CTS/dex

37,539

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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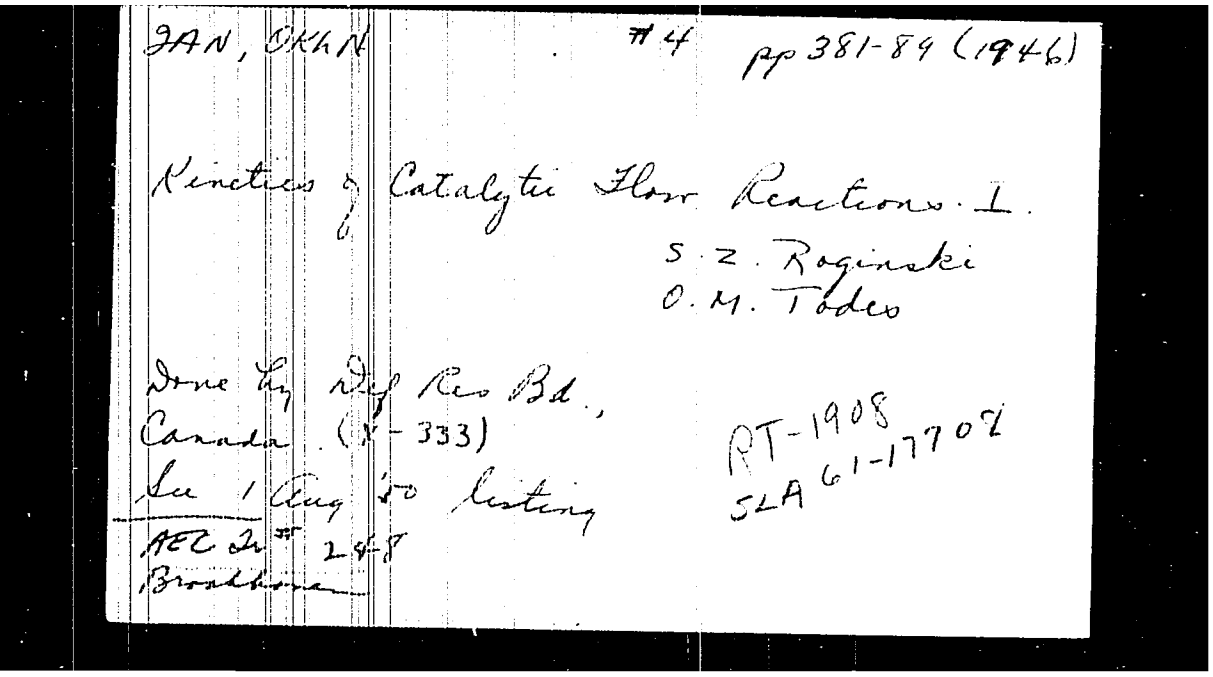

JAN, UKhN #4 pp 381-89 (1946)

Kinetics of Catalytic Flow Reactions. I.

S. Z. Roginski
O. M. Todes

Atomic Energy Project, Research Council, Ottawa, Canada. (X-333)

RT-1908
SLA 61-17702

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Freidlin, L. Kh., Balandin, A. A. and others.
CONVERSION OF ARYL HALIDES AND ELIMINATION OF THE AROMATICALLY BOUND HALOGEN WITH STEAM. [1963] 15p. 9 refs.
Order from OTS or SLA $1.60 (12 pp) 63-18252 63-20168
Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk, Izvestiya, 1946, no. 4, p. 439-446.

DESCRIPTORS: *Benzene derivatives, *Halides, *Chlorides, *Elimination reactions, *Steam, *Catalysis, *Copper catalysts, Chemical reactions.

A new course was found for the catalytic reaction of the interaction of aryl halides with steam, which leads to the elimination of the halogen. A scheme of the process is proposed which allows one to explain and predict a number of its characteristics. The influence of various factors on the reaction was investigated. (Author)
(Chemistry--Physical, TT, v. 10, no. 11)

63-18252

1. Title: Phenyl halides
I. Freidlin, L. Kh.
II. Balandin, A. A.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Eidus, Ya. T.
STUDY OF CATALYSTS FOR HYDROGENATION OF CARBON MONOXIDE BY COMBINED USE OF DYNAMIC AND STATIC METHODS. COMMUNICATION 4: COMPARATIVE STUDY OF KINETICS OF CARBIDE FORMATION AND HYDROGENATION OF CARBON MONOXIDE OVER Co, Ni AND Fe CATALYSTS. [1963] 12p. (figs. omitted) 8 refs. Order from OTS or SLA $1.60 63-18254

Trans. of Akademiya Nauk SSSR. O[tdelenie] Kh[imicheskikh] Nauk. [Izvestiya] 1946, no. 4, p. 447-453. Another trans. is available from OTS or SLA $1.10 as 61-20115 [1961] 7p.

DESCRIPTORS: *Carbides, *Carbon compounds, *Monoxides, Hydrogenation, *Iron catalysts, *Cobalt catalysts, *Nickel catalysts, Reaction kinetics, Catalysts.
(Chemistry--Physical, TT, v. 10, no. 11)

63-18254

I. Eidus, Ya. T.
II. Title: Comparative...

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Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Mamedaliev, Yu. G.
ALKYLATION OF BENZENE WITH PROPENE IN THE PRESENCE OF ALUMINOSILICATES. [1961] 4p. 5 refs.
Order from OTS or SLA $1.10 61-20111

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1946, p. 458-460.

DESCRIPTORS: *Benzenes, *Alkyl radicals, Propenes, Chemical reactions, Aluminum compounds, Silicates, Clay, Catalysts, Catalysis.

Experiments of alkylation of benzene with a gaseous mixture containing 17÷19% propane and around 77% propene in the presence of activated gumbrin clay are reported. Under 40 atm pressure at an hourly space velocity of 0.5 and a mole ratio of benzene to propene of 1:0.45 most of the benzene reacted at 350° was con-
(Chemistry--Organic, TT, v. 7, no. 7) (over)

61-20111

I. Mamedaliev, Yu. G.

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Todes, O. M.
DE KINETICA VAN KATALYTISCHE REACTIES IN EEN DOORSTROOMSYSTEEM. II. DE DYNAMICA DER PROCESSEN OVER EEN VEROUDERENDE KATALYSATOR. (Kinetics of Exothermal Catalytic Reactions in Flow. II. Dynamics of Processes on Aging Catalysts). pp. 3 refs. MTWL: 6. (text in Dutch). Order from OTS or ETC $1.55 61-17705

Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk, Izvestiya, 1946, p. 483-488.

DESCRIPTORS: *Catalysts, Aging, Poisoning, Processing.

61-17705

I. Todes, O. M.
II. MTWL-6
III. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Shekhter, A. B., Roginskii, S. Z., and Zakharova, S.
ELECTRONEN-MICROSCOPISCH ONDERZOEK VAN ROOKNEERSLAGEN (An Electron Microscopic Investigation of Smoke Deposits). 9p. 3 refs. MTWL: 26. (text in Dutch).
Order from OTS or BTC $1.55 61-17680

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1946, p. 491-495.

DESCRIPTORS: *Metallic smoke deposits, Electron microscopy, Particles, Structure.

61-17680

I. Shekhter, A. B.
II. Roginskii, S. Z.
III. Zakharova, S.
IV. MTWL-26
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Balandin, A. A., Bogdanova, O. K., and Shcheglova, A. P.
KINETIEK VAN DE DEHYDRERING VAN BUTEEN OVER EEN CHROOMKATALYSATOR (Kinetics of the Dehydrogenation of Butylene on a Chromium Catalyst) 23p. 12 refs. MTWL: 11. (text in Dutch).
Order from OTS or ETC $1.91 61-17695

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1946, p. 497-512.

DESCRIPTORS: *Hydrogenation, Chromium, Catalysts, *Butenes.

61-17695

I. Balandin, A. A.
II. Bogdanova, O. K.
III. Shcheglova, A. P.
IV. MTWL-11
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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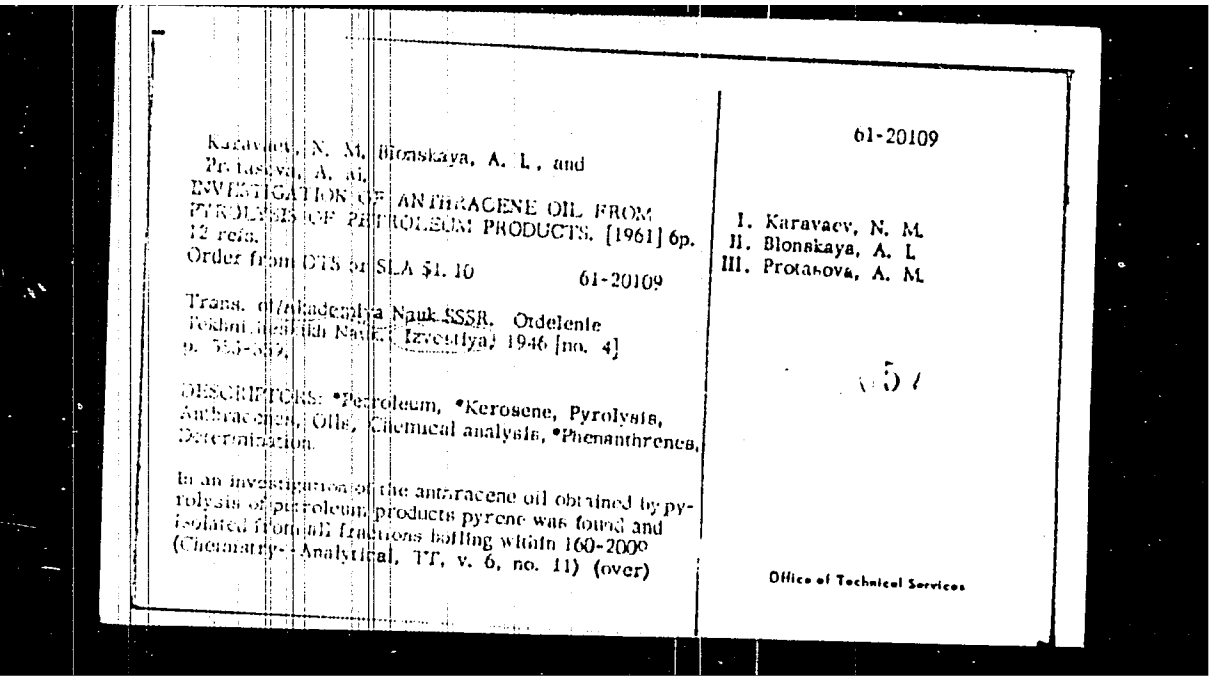

Karavaev, N. M, Bionskaya, A. L., and Protasova, A. M.
INVESTIGATION OF ANTHRACENE OIL FROM PYROLYSIS OF PETROLEUM PRODUCTS. [1961] 6p. 12 refs.
Order from OTS or SLA $1.10 61-20109

Trans. of Akademiya Nauk SSSR. Otdelenie Tekhni[illegible] Nauk. Izvestiya, 1946 [no. 4] p. 553-557.

DESCRIPTORS: *Petroleum, *Kerosene, Pyrolysis, Anthracenes, Oils, Chemical analysis, *Phenanthrenes, Determination.

In an investigation of the anthracene oil obtained by pyrolysis of petroleum products pyrene was found and isolated from all fractions boiling within 160-200° (Chemistry-Analytical, TT, v. 6, no. 11) (over)

61-20109

I. Karavaev, N. M.
II. Bionskaya, A. L.
III. Protasova, A. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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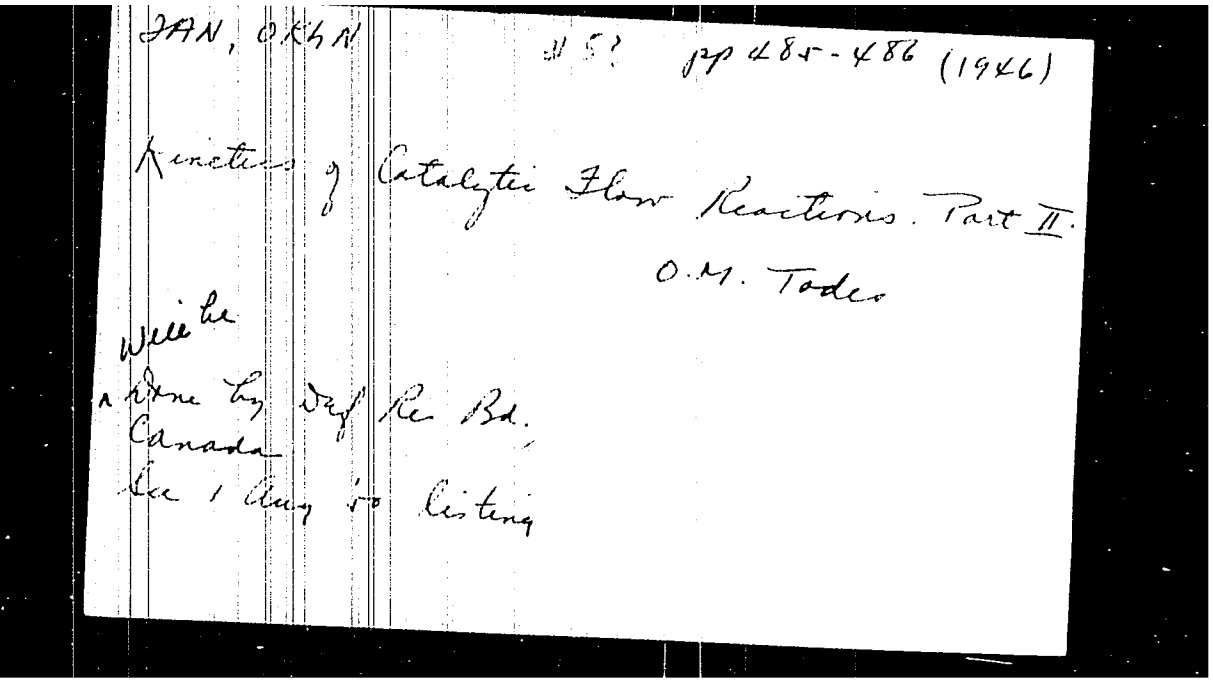

JAN, OKhA

J US? Zhp 485-486 (1946)

Kinetics of Catalytic Flow Reactions. Part II.

O.M. Todes

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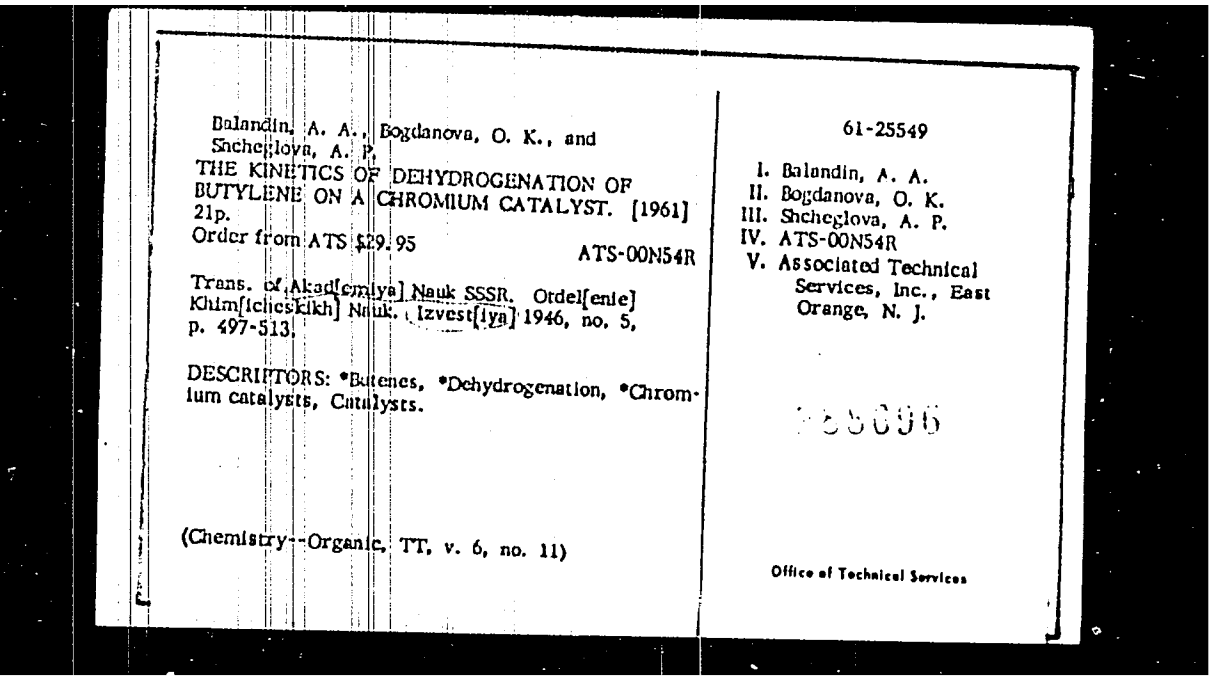

Balandin, A. A., Bogdanova, O. K., and Shcheglova, A. P.
THE KINETICS OF DEHYDROGENATION OF BUTYLENE ON A CHROMIUM CATALYST. [1961] 21p.
Order from ATS $29.95 ATS-00N54R

Trans. of Akad[emiya] Nauk SSSR. Otdel[enie] Khim[icheskikh] Nauk. Izvest[iya] 1946, no. 5, p. 497-513.

DESCRIPTORS: *Butenes, *Dehydrogenation, *Chromium catalysts, Catalysts.

(Chemistry--Organic, TT, v. 6, no. 11)

61-25549

I. Balandin, A. A.
II. Bogdanova, O. K.
III. Shcheglova, A. P.
IV. ATS-00N54R
V. Associated Technical Services, Inc., East Orange, N. J.

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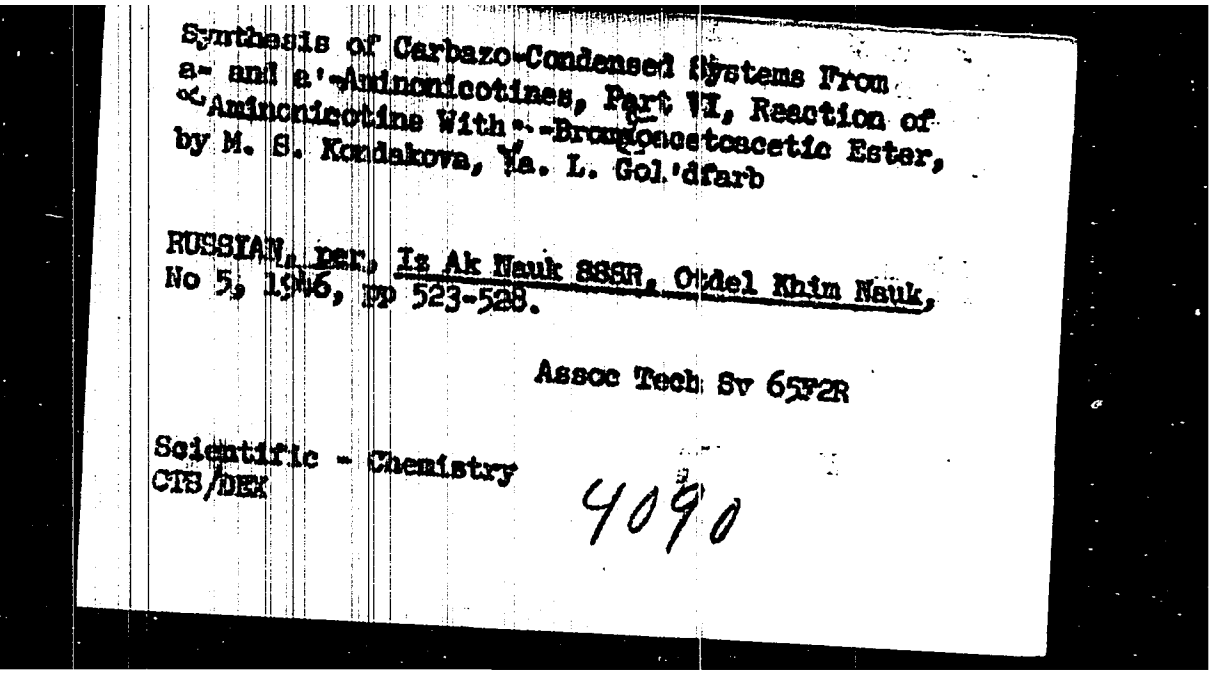

Synthesis of Carbazo-Condensed Systems From a- and a'-Aminonicotines, Part VI, Reaction of α-Aminonicotine With α-Bromoacetoacetic Ester, by M. S. Kondakova, Ya. L. Gol'dfarb

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1946, pp 523-528.

Assoc Tech Sv 6572R

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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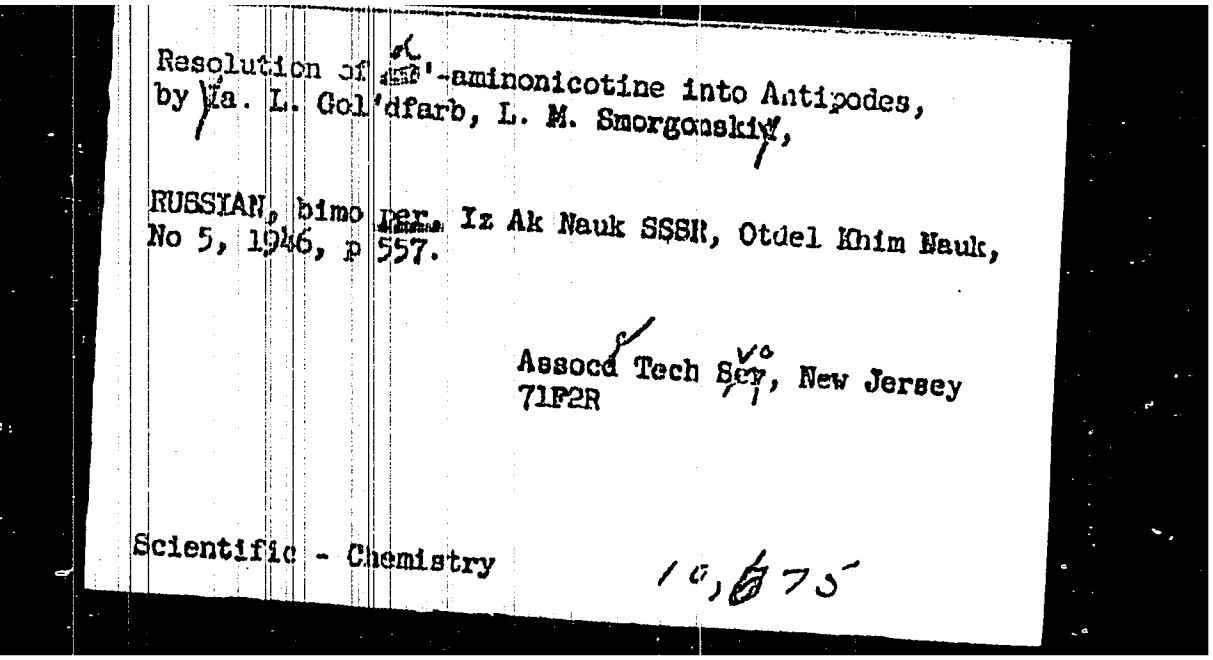

Resolution of α'-aminonicotine into Antipodes,
by Ya. L. Gol'dfarb, L. M. Smorgonskiy,

RUSSIAN, bimo per. Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1946, p 557.

Assocd Tech Svc, New Jersey
71F2R

Scientific - Chemistry

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Crystal Chemistry of Aromatic Compounds. Pt IV. Geometrical Analysis of the Arrangement of Molecules in a Crystal, by A. I. Kitaigorodskiy.

RUSSIAN, per, Im Ak Nauk SSSR, Otdel Khim Nauk, Vol VI, 1946, pp 587-600.

36,108

Insdoc
Nat Phys Lab of India
Hillside Rd
New Delhi-12, India

Scientific - Chemistry

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Shuikin, N. I., Novikov, S. S., and Tulupova, E. D. OVER DE INVLOED VAN ONVERZADIGDE KOOLWATERSTOFFEN OP DE DEHYDREERENDE EIGENSCHAPPEN VAN DE PLATINA-KATALYSATOR (Effect of Unsaturated Hydrocarbons on the Dehydrogenating Properties of Platinum Catalysts). 12p. 12 refs. MTWL: 35. (text in Dutch).
Order from OTS or ETC $1.85 61-17669

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1947, no. 1, P. 89-95.

DESCRIPTORS: *Platinum, *Catalysts, Hydrocarbons, *Dehydrogenation.

61-17669

I. Shuikin, N. I.
II. Novikov, S. S.
III. Tulupova, E. D.
IV. MTWL-35
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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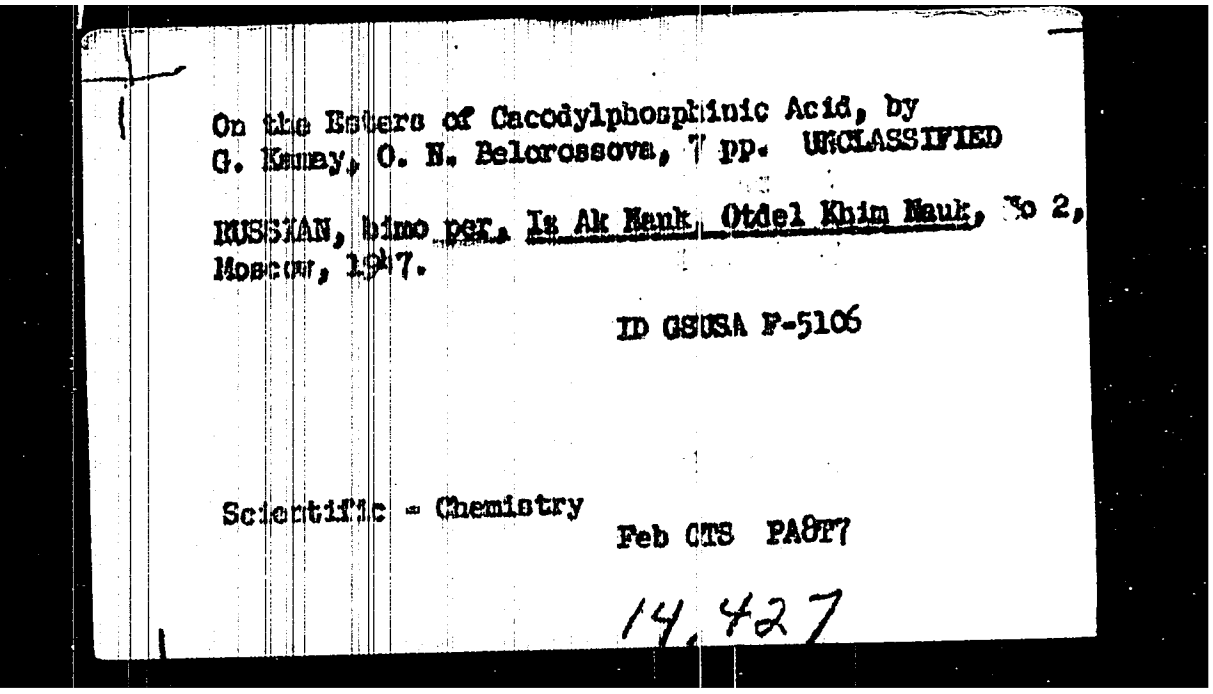

On the Esters of Cacodylphosphinic Acid, by G. Kamay, O. N. Belorossova, 7 pp. UNCLASSIFIED

RUSSIAN, bimo per. Iz Ak Nauk, Otdel Khim Nauk, No 2, Moscow, 1947.

ID GSUSA F-5106

Scientific - Chemistry

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZV AK NAUK KHIM No 2 Feb 1947

6 pp

"Decomposition and Formation of Onium Salts and Synthesis of Organo-Elemental Compounds through Onium Compounds"

A. N. Nesmeyanov, L. G. Makarova

Done by Nat'l Inst of Health
copy in file FDD X-21

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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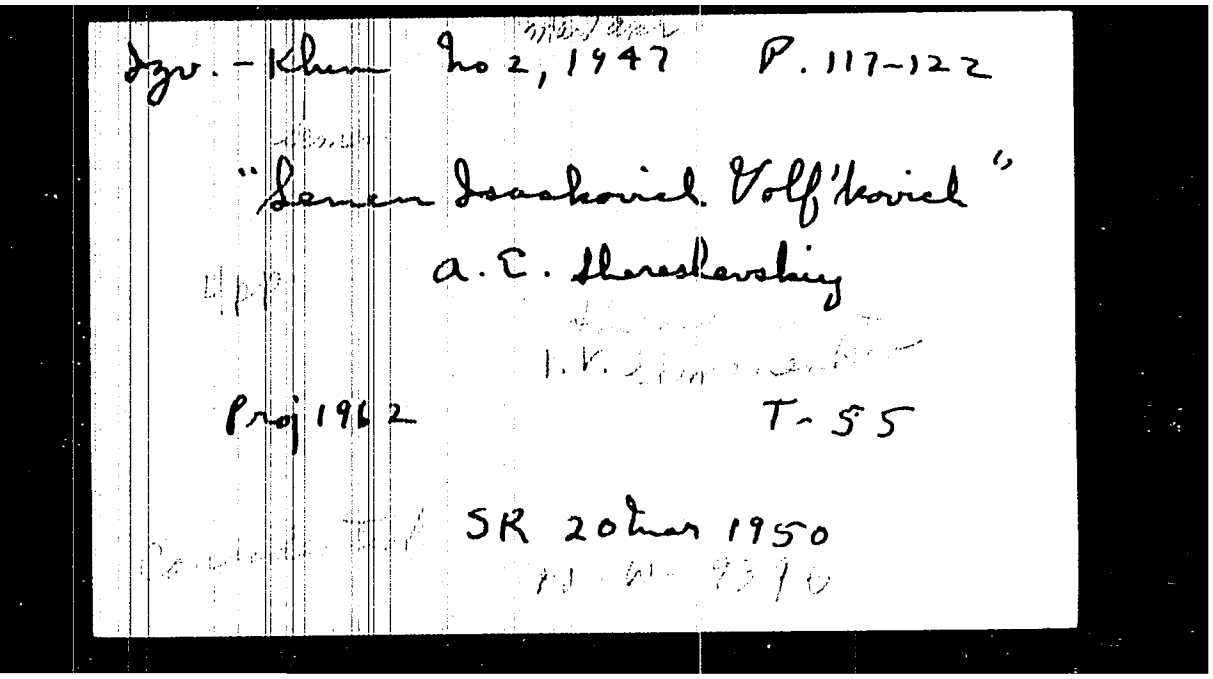

Izv. - Khim No 2, 1947 P. 117-122

"Semen Isaakovich Volf'kovich"

a. S. Khoroshevskiy

Proj 1962 T-55

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Kagan, M. Ya., Lyubarskii, G. D., and Podurovskaya, O. M.
OVER HET MECHANISME VAN DE KATALYTISCHE DIVINYL-SYNTHESE UIT AETHYLALCOHOL
(Mechanism of the Catalytic Synthesis of Divinyl from Ethyl Alcohol). 13p. 6 refs. MTWL: 25. (text in Dutch)
Order from OTS or ETC $1.85 61-17679

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk . Izvestiya, 1947, p. 173-180.

DESCRIPTORS: *Ethanol, *Butadienes, Synthesis, Catalysis, Aluminium compounds, Oxides.

61-17679

I. Kagan, M. Ya.
II. Lyubarskii, G. D.
III. Podurovskaya, O. M.
IV. MTWL-25
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Kazanskii, B. A. and Rumyantseva, Z. A.
KATALYTISCHE HYDRERING VAN CYCLOPENTAAN-KOOLWATERSTOFFEN MET OPENING VAN DE RING. VII. HYDRERING VAN METHYLCYCLOPENTAAN IN TEGENWOORDIGHEID VAN GEPLATINEERDE KOOL EN VAN NIKKEL, NEERGESLAGEN OP ALUMINIUM-OXYDE (Catalytic Hydrogenation of Cyclopentane Hydrocarbons with Ring Opening. VII. Hydrogenation of Methylcyclopentane in the Presence of Platinized Carbon and of Nickel on Aluminium Oxide). 12p. 7 refs MTWL: 27. (text in Dutch).
Order from OTS or ETC $1.85 61-17681

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1947, p. 183-190.

DESCRIPTORS: *Cyclopentanes, Methylradicals, Coal, Platinum, Nickel, Oxides, Catalysts, *Hydrogenation, Aluminium compounds.

61-17681

I. Kazanskii, B. A.
II. Rumyantseva, Z. A.
III. MTWL-27
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Kazanskii, B. A. and Liberman, A. L.
DE KATALYTISCHE OMZETTINGEN VAN 1.1.-DIMETHYLCYCLOHEXAAN IN TEGENWOORDIGHEID VAN GEPLATINISEERDE KOOL (Contact Catalytic Transformations of 1, 1-dimethylcyclohexane in the Presence of Platinized Carbon) 17p. 12 refs.
MTWL: 32 (text in Dutch).
Order from OTS or ETC $1.85 61-17676

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1947, no. 3, p. 265-275.

DESCRIPTORS: *Cyclohexanes, Methylradicals, Carbon, Platinum, *Benzenes, Catalysts.

61-17676

I. Kazanskii, B. A.
II. Liberman, A. L.
III. MTWL-32
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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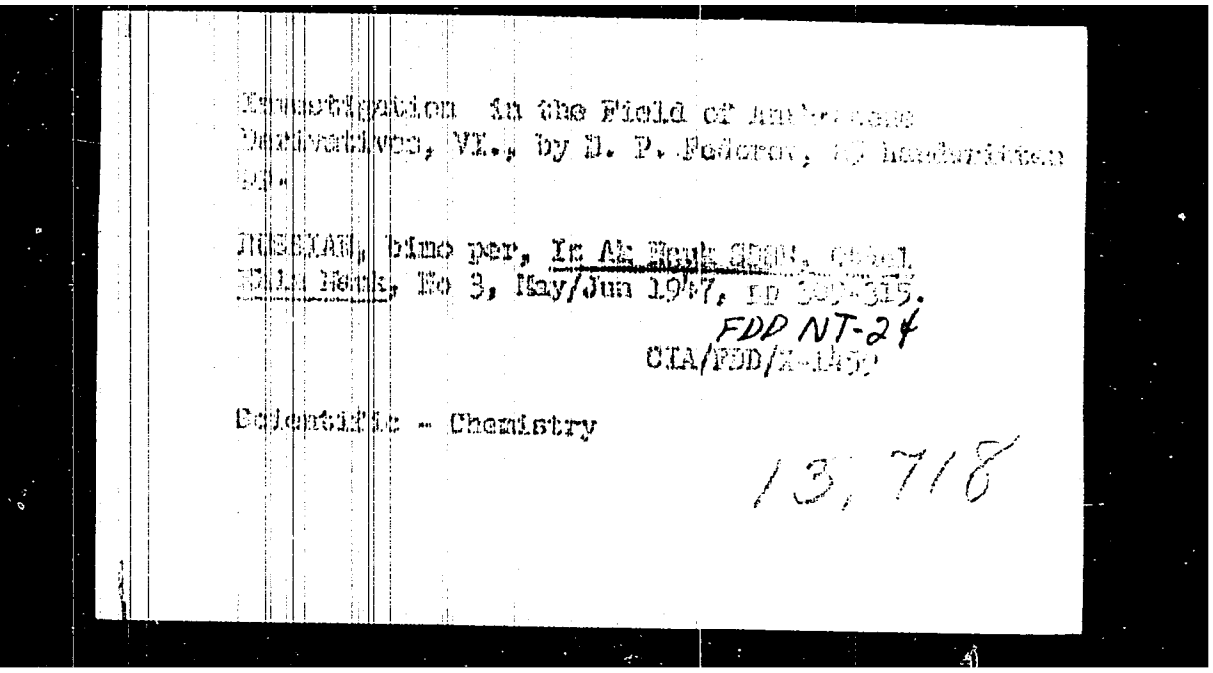

Investigation in the Field of Antibiotics
Petrichenkova, V.I., by D. P. Fedorov, [illegible]
[illegible].

ANTIBIOTIKI, Vsesoyuznoye Obshchestvo Po Rasprostraneniyu Politicheskikh i Nauchnykh Znaniy, No 3, May/Jun 1947, pp 309-315.

FDD NT-24
CIA/FDD/X-1459

Declassified - Chemistry

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

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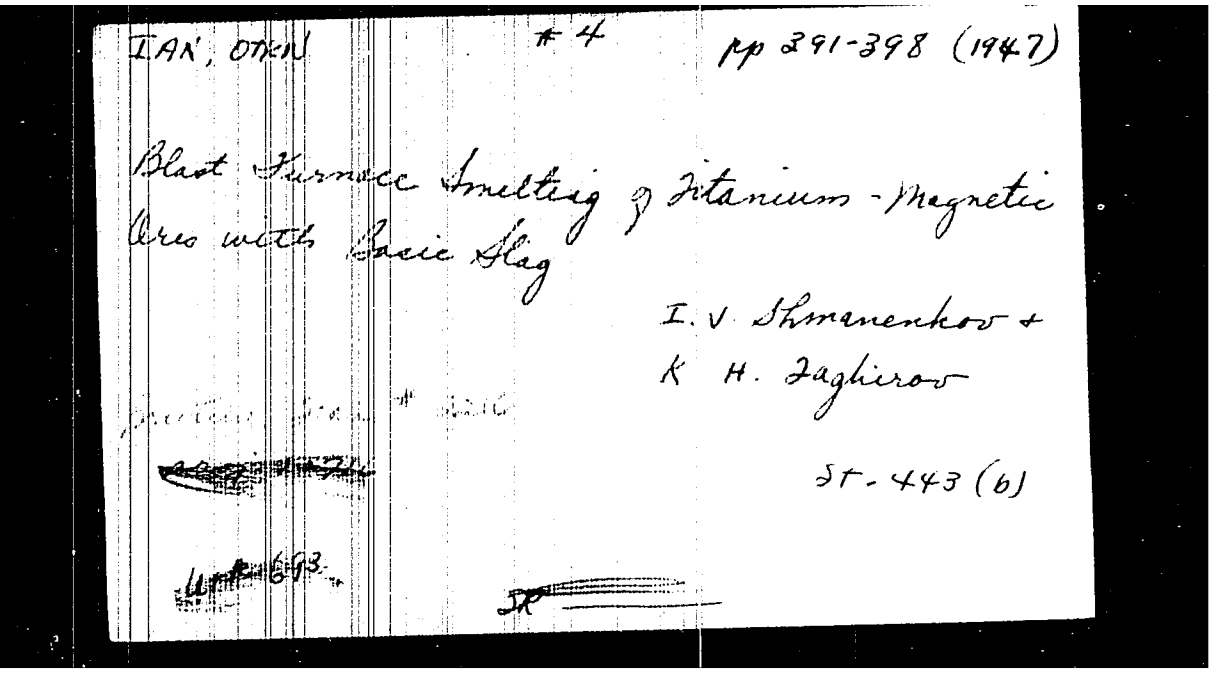

IAN, OTKN #4 pp 291-398 (1947)

Blast Furnace Smelting of Titanium-Magnetic Ores with Basic Slag

I. V. Shmanenkov & K. H. Zaghirov

ST-443 (6)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Failures of Castings Caused by Shrinkage Stresses During Crystallization, as Related to Composition, by A. A. Bochvar.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1947, pp 349-355.

Language Sv Bu

Sci - Chem

Nov 60

131,306

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZV AKAD NAUK SSSR, OTD KHIM NAUK No 5, 1947, 11 pp

"Nikolay Aleksandrovich Morozov as a Chemist"

S. I. Vol'fkovich

Proj 1940
T-55-B7
U-115/49
One page extract translation loaned to original requestor.
MOROZOV died in 1946.

53T10

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Chlorides of Ruthenium Hydrates, by V. I. Goremykin, T. D. Avtokratova.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1947, pp 427-434.

Research Information Service
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Scientific - Chemistry Jan 56 CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

The Hydrogenation of Cyclic Hydrocarbons. Part VIII The Hydrogenation of Trans-1, 2- and Trans-1,3-dimethylcyclopentane in the Presence of Platinum-Activated Carbon, by B. A. Kazanskiy, Z. A. Rumiantseva, M. I. Batuev.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1957, pp 473-482.

Research Information Service
R 565 30,705

Scientific - Chemistry Jan 56 CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

The Hydrogenation of Cyclic Hydrocarbons. Part IX. The Hydrogenation of 1.1-Dimethyl-Cyclopentane in the Presence of Platinum-Activated Carbon, by
BM B. A. Kazanskiy, Z. A. Rumiantseva, M. I. Batuev.

RUSSIAN, per. Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1947, pp 483-493.

Res Info Sv R.566

Sci - Chemistry
Jan 1956/CTS No 77

30,537

53 Nassau St., New York, N.Y.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Rearrangement of the Allyl Structure. IV. The Influence of Sodium and Magnesium Ethers on Isomerism, by A. N. [redacted] Pudovik, B. A. Arbusov.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1947, pp 501-508.

Res Info Sv R.568

Sci - Chemistry
Jan 1956/CTS No 77

30,530

53 Nassau St., New York 5, N.Y.

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Freidlin, L. [Kh.] Balandin, A. A., Lebedeva, A. I., and Fridman, G. A.
INVESTIGATION OF THE CATALYTICAL SUBSTITUTION OF HALOGEN BY HYDROXYL IN HYDROCARBONS OF AROMATIC SERIES. [1963] [12p]
17refs. N64-11004.
Order from OTS, SLA, or ETC $1.60 TT-63-20182

Trans. of [Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk], Izvestiya, 1947 [no. 5] p. 515-522. (Abstract available)

DESCRIPTORS: *Phenols, Synthesis (Chemistry), *Benzenes, *Chlorides, Substitution reactions, *Catalysis, *Copper catalysts, Silicon compounds, Dioxides, Gels, Purification.

Reaction of catalytic conversion of chlorobenzene into phenol with steam in the presence of silica gel impregnated with various copper compounds was studied. A (Chemistry--Organic, TT, v. 11, no. 7) (over)

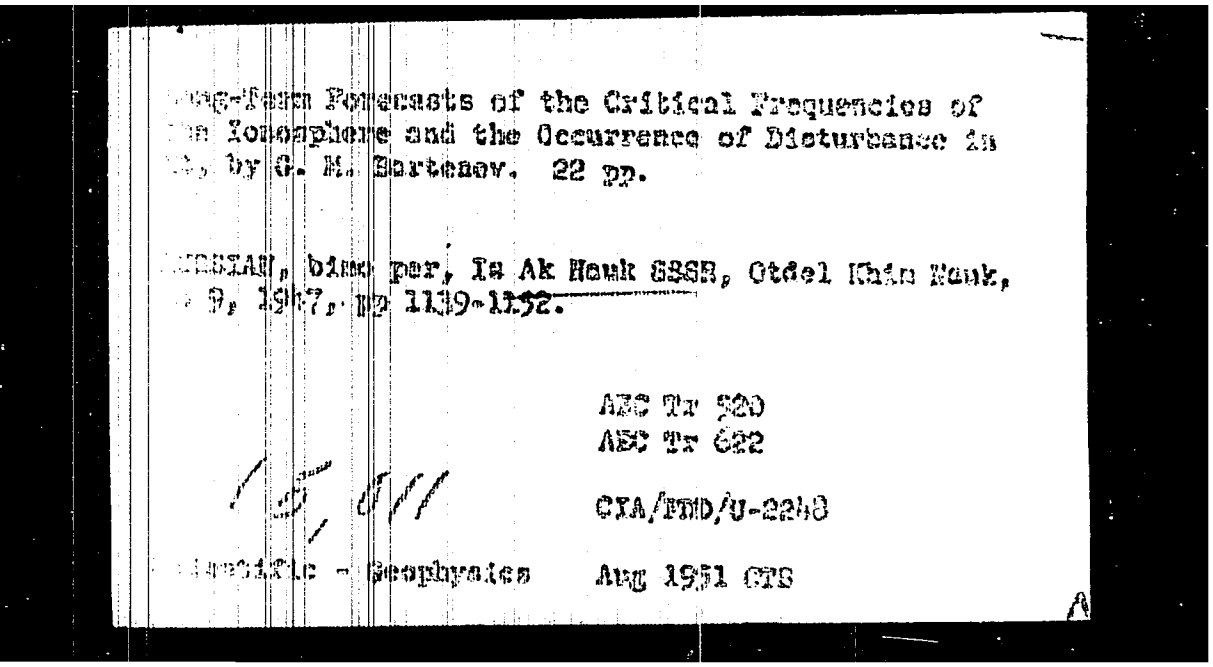
TT-63-20182

I. Title: Phenyl chloride
I. Freidlin, L. Kh.
II. Balandin, A. A.
III. Lebedeva, A. I.
IV. Fridman, G. A.
V. N64-11004

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



...ng-Term Forecasts of the Critical Frequencies of ...n Ionosphere and the Occurrence of Disturbance in ..., by G. M. Bartenev. 22 pp.

...RSIAN, binn per, Iz Ak Nauk SSSR, Otdel Khim Nauk, ... 9, 1947, pp 1139-1152.

AEC Tr 920
AEC Tr 622

CIA/RRD/U-2248

...ussian - Geophysics Aug 1951 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Ternary System Al-Mg-Li. III. Description of the Ternary System Aluminum-Magnesium-Lithium. Projection of the Liquidus Surface, Isotherms at 400° and 20°, and the Process of Crystallization, by F. I. Khamrai, 14 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3, 1948, pp 290-301.

ACSI I-0452
ID 2180113

182,680

Sci - Chem
14 Feb 62

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Study in the Field of Tautomeric Compounds, by
A. E. Porai-Koshits, N. I, Malikova, 32 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1948, pp 519-528.

CIA/FDD/X-1137

Scientific - Chemistry
CTS/DEX

7077

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Thermochemistry and the Structure of Atoms. I. The Thermochemical Logarithmic Rule and the Heats of Formation of Halides, by A. F. Kapustinskiy, 26 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1948, pp 568-580.

AEC NP Tr-472
SLA 61-13389

Sci - Chem
10 Nov 60
List 45

131,396

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Acetylene Derivatives. LXXXV. Synthesis and Study of Heterocyclic Compounds. 6. Synthesis of 4-Ethynyl-4-Hydroxypiperidines by Condensation of Acetylene With 4-Piperidones, by I. N. Nazarov, V. Ya. Raygorodskaya. (5000 words)

RUSSIAN, no per, Iz Akad Nauk SSSR, Otdel Khim Nauk, No 6, 1948, pp 631-641.

Assoc Tech SY
RJ-358

37,009

Sci - Chemistry

$15.00

Aug 1956

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZ AK NAUK SSSR, Otdel Khim Nauk No. 1, 12 pp, 1949

"Complex Formations of Rare Earth Metals"

D. I. Ryabchikov
Ye. A. Terent'yeva

AEC/ BNL/tr - 131

T T. 107

27/49T26

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZ AK NAUK SSSR, Otdel Khim Nauk No 1, 4 pp, 1949

"Study in the Field of Phosphor Organic Compounds: XI, Case of Anomalous Course of the Synthesis of Magnesium Organic Compounds"

M. I. Kabachnik
Ye. S. Shepeleva

Will be done by Def Res Board, Canada
See 1 Aug 50 listing

27/49T25

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Electron Microscopic Study of the Structural Changes of Finely Divided Solids on Heating, by A. I. Echeistova, A. B. Shekhter, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1949, pp 13-17.

R.A.E. Farnsborough Tr 597
Sci Mus Lib Tr 57/0485

43,470

Sci - Physics
Jun 57

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Organophosphorus Compounds. XI. Anomalous Course of an Organomagnesium Synthesis, by M. I. Kabachnik, E. S. Shepeleva, 2 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, 1949, pp 56-59.

CIA/FDD XX-639
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem
Sep 59
USIB INTERNAL USE ONLY
PARTIAL TRANSLATION

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Morozov, I.S. and Kuznetsov, V.G.
AU SUJET DE LA MODIFICATION γ DU BIOXIDE DE MANGANESE (O γ -Modifikatsii Dvuokisi Margantsa) (The γ Modification of Manganese Dioxide). 31p. (foreign text included) 10refs. CNRS-VIII bis 75. Order from OTS, ETC or CNRS 53.60 TT-62-28756

Trans. in French of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk, Izvestiya, 1949, no.1, p. 343-353.

DESCRIPTORS: *Manganese compounds, Dioxides, *Transformations, Irreversible processes.

(Chemistry--Inorganic, TT, v. 11, no. 8)

TT-62-28756

I. Morozov, I.S.
II. Kuznetsov, V.G.
III. CNRS-VIII bis 75
IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Freidlin, L. Kh. and Fridman, G. A.
CATALYTIC [SUBSTITUTION] OF HALOGEN BY A HYDROXYL IN THE AROMATIC SERIES. IV. VAPOR-PHASE HYDROLYSIS OF o- AND p-CHLOROPHENOLS AND o- AND p-DICHLOROBENZENES. [29 Oct 52] [19p] 14refs
Order from OTS or SLA $1.60 63-18674

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1949, no. 3, p. 317-325.

DESCRIPTORS: *Benzenes, *Chlorides, *Phenols, Hydroxyl radicals, Hydrolysis, Catalysis, Substitution reactions, Halogens, Insecticides.

The possibility of vapor-phase hydrolysis of o- and p-chlorophenols and o- and p-dichlorobenzenes was investigated and the influence of ring substituents is demonstrated. The catalytic character of the process is
(Chemistry--Organic, TT, v. 10, no. 11) (over)

63-18674

1. Title: Dichlorobenzenes
2. Title: Chlorophenols
I. Freidlin, L. Kh.
II. Fridman, G. A.
III. Title: Vapor . . .
IV. Trans-MT-52-50

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZ AK NAUK SSSR, Otdel Khim Nauk No 3, 9 pp, 1949

"Diffusion of Radium Between Molten and Crystalline Isomorphic Salts"

V. G. Khlopin
V. P. Klokman

See 29/49T94

56/49T86

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZ AK NAUK SSSR, OTDEL KHIM NAUK No 4, 3½ pp, 1949

"Acetylene Derivatives, No 92, Rearrangements of 1,3-Diene Systems: V. Irreversible Isomerization of 5-Phenyl 1-1, 3-hexadiene-5-ol into 5-Phenyl-2, 4-hexadiene-1-ol"

I. N. Nazarov
L. V. Fisher

Will be done by AMC
Telegram 29 Dec 1949
MCISKD-2, Mr. Winkler

63/49T5

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

IZ AK NAUK SSSR, Otdel Khim Nauk" No 4, 16½ pp, 1949

"Quasi-Complex Compounds, Hyperconjugation and Tautomerism

A. N. Nesmeyanov
V. A. Sazonova

Will be done by AMC
MCISKD-2 Mr. Winkler
Telegram 29 Dec 1949

63/49T7

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Investigation in the Field of High Molecular Compounds. Communication 21. On the Polycondensation of Glycol With Adipic Acid, by V. V. Korshak, and V. V. Golubev, 11pp.

Full translation.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk, No 4, 1949, pp 379-385.

AEC Tr 1281

RT-3977

Scientific - Chemistry

Jun 52 CTS DEK

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Acetylene Derivatives, No 94, Synthesis of Polycyclic Compounds Related to Steriods: III, Complete Synthesis of Compounds With Androstance Skeletons and Their Structural Isomers With Methylcyclopentane Rings B, by L. N. Nazarov, L. D. Bergel'son, L. I. Shmonina, L. N. Terekhova. 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1949.

CIA/FDD/K-230
AEC Tr 2133
USPHS Tr
63/49T4 15,879

Scientific - Chemistry

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

High Molecular Compounds. XXII. Effect of Polarity of Substituents on Polymerization Power of Substituted Ethylenes, by V. V. Korshak, 11 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1949, pp 487-492.

CIA/FDD X-2211

40,798

Sci - Chemistry
Nov 1956 CRS/dex

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Nesmeyanov, A.N., Kursanov, D.N. and others.
OVER DE INVLOED VAN STRUCTUURFACTOREN OP CONJUGATIE-VERSCHIJNSELEN.I.DE BEWEEGLIJKHEID DER WATERSTOFATOMEN IN CYCLISCHE KETONEN VAN VERSCHILLENDE STRUCTUUR
(Influence of the structural factors on conjugation phenomena.I. Mobility of H atoms in vatious cyclic ketones), tr. by G.J.M. Fritschy. 7 p. 6 refs.
MTWL:487.(Text in Dutch)
Order from OTS or ETC $0.80 61-17007

Partial trans. of Akademiya Nauks SSSR.Otdelenie Khimicheskikh Nauk.Izvestiya (USSR) 1949, no.6, p.592-597.

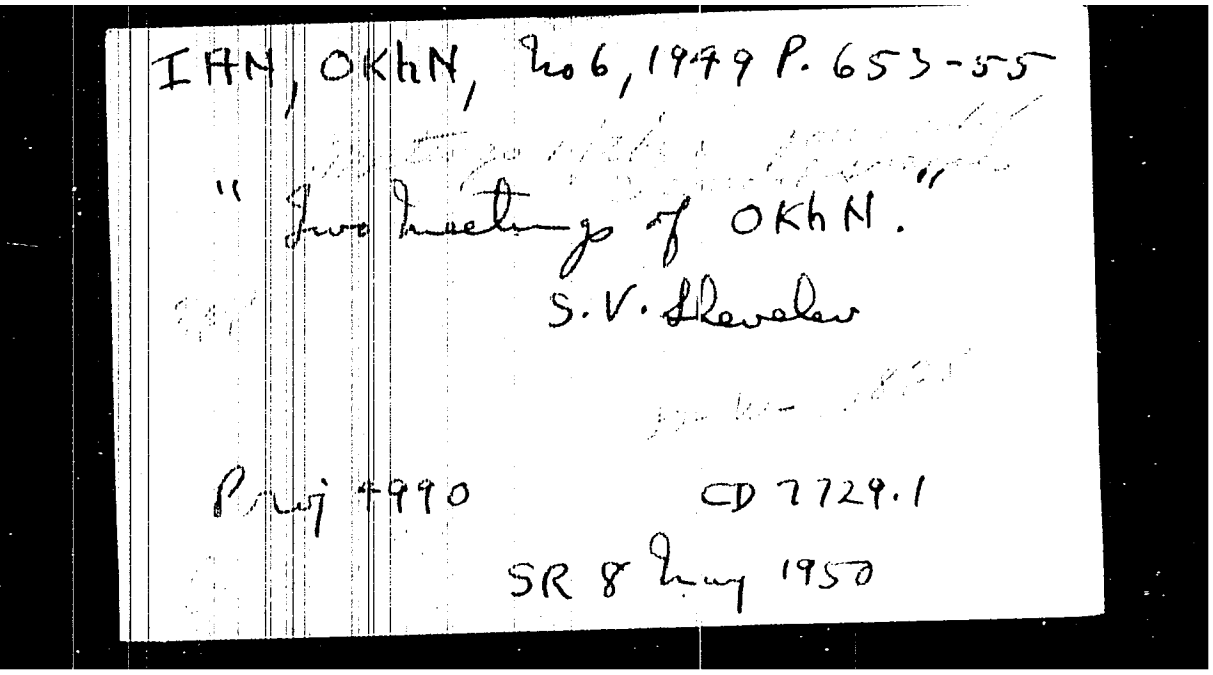
61-17007

1. Cyclic ketones
2. Hydrogen bon ding
I. Nesmeyanov, A.N.
II. Kursanov, D.N.
III. MTWL-487
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

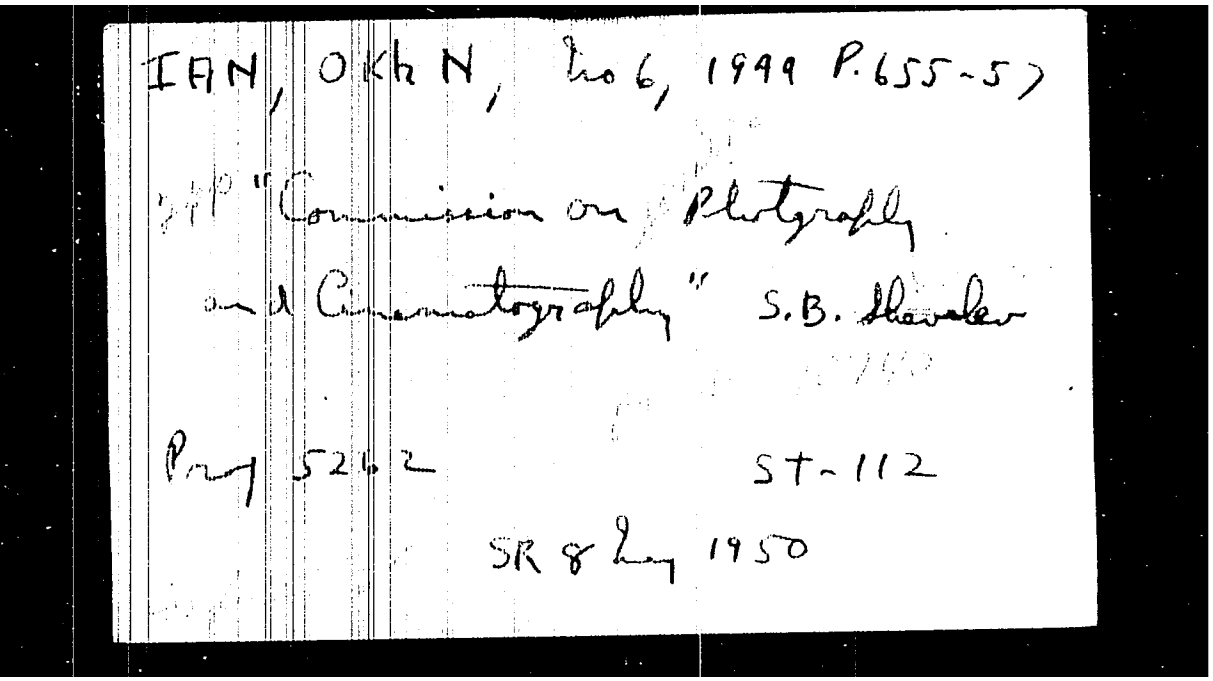
APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Synthesis and Properties of C_{12}-C_{16} Monomethyl-alkanes, by Al. A. Petrov, et al.

RUSSIAN, PER, Iz Ak Nauk SSSR: Otdel Khim Nauk, 1949, pp 1053-1059.

Dept of Interior
Tr No 226

Sci

Jan 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Influence of the Cations on the Anodic Processes in the Electrolysis of Chloride and of Sulfate Solutions, by N. A. Izgaryshev, 21 pp.

RUSSIAN, per, Iz Ak Nauk SSSR Otdel Khim Nauk, No 1, 1950, pp 15-26.

SLA 59-10499

Sci - Chem
Sep 59
Vol 2, No 1

97,284

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

INVESTIGATIONS OF THE HETEROGENEITY OF ACTIVE SURFACES BY THE DIFFERENTIAL ISOTOPE METHOD, BY N. P. KEIER, S. Z. ROGINSKIY.

RUSSIAN, PER, IZ AK NAUK UK SSSR, OTDEL KHIM NAUK, NO 1, 1950, PP 27-38.

NLL RTS 2059

SCI - CHEM

OCT 62

214,752

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Derivatives of Acetylene. Part 96. Heterocyclic Compounds. IX. Synthesis of 1,2,5-Trimethyl-4-Piperidols and Their Esters, by I. N. Nazarov, et al.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5, 1949, pp 504-521.

Assoc Tech Sv
RJ-359

37,010
$13.50

Sci - Chemistry

Aug 1956

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

The Field of High Molecular Weight Compounds, Report XXVI. One Peculiarity of the Process of Chemical Destruction of High Molecular Weight Compound by V. V. Korshak.

Full translation.

RUSSIAN, bimo per, Iz Ak Nauk SSSR, Otdel Khim Nauk. No 1, 1950, pp 51-55.

AEC Tr 1455

Scientific - Chemistry, molecular weight xxxx compound

Dec 52 CTS/DEX

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Acetylene Derivatives. 97. Mechanism of Polymerization of Dimethylvinylethynyl-carbinol, 20xppx by I. N. [redacted] Nazarov, L. N. Terekhova, 20 pp.

RUSSIAN, mo per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1950, pp 66-76.

Sci Tr Center RT 3607

36, 146

Sceintific - Chemistry
Jun 56 CTS

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

Catalytic Hydrocondensation of Carbon Monoxide With Olefins. III. Polymerization and Hydropolymerization of Ethylene in Hydrocondensation Catalysis, by Ya. T. Eidus, 20 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, Nmk No 1, 1950, pp 98-107.

Sci Tr Center RT 1030

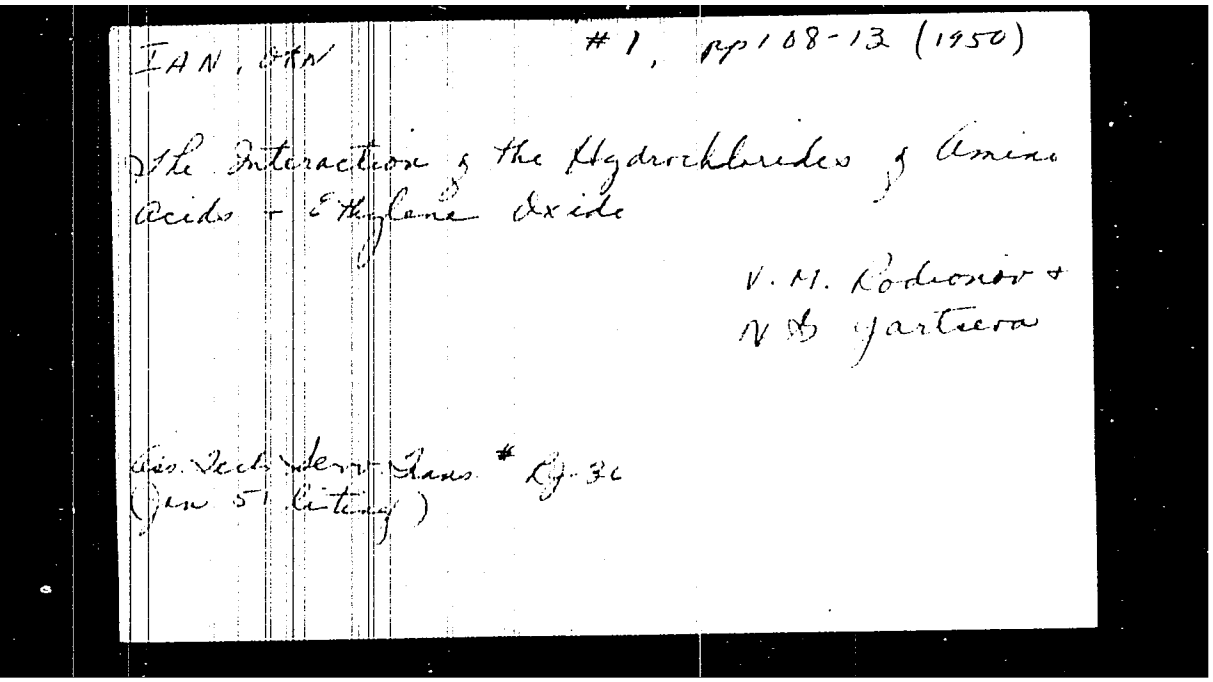
Scientific - Chemistry

Jul 54 CIS

16 054

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



IAN, USSR #1, pp 108-13 (1950)

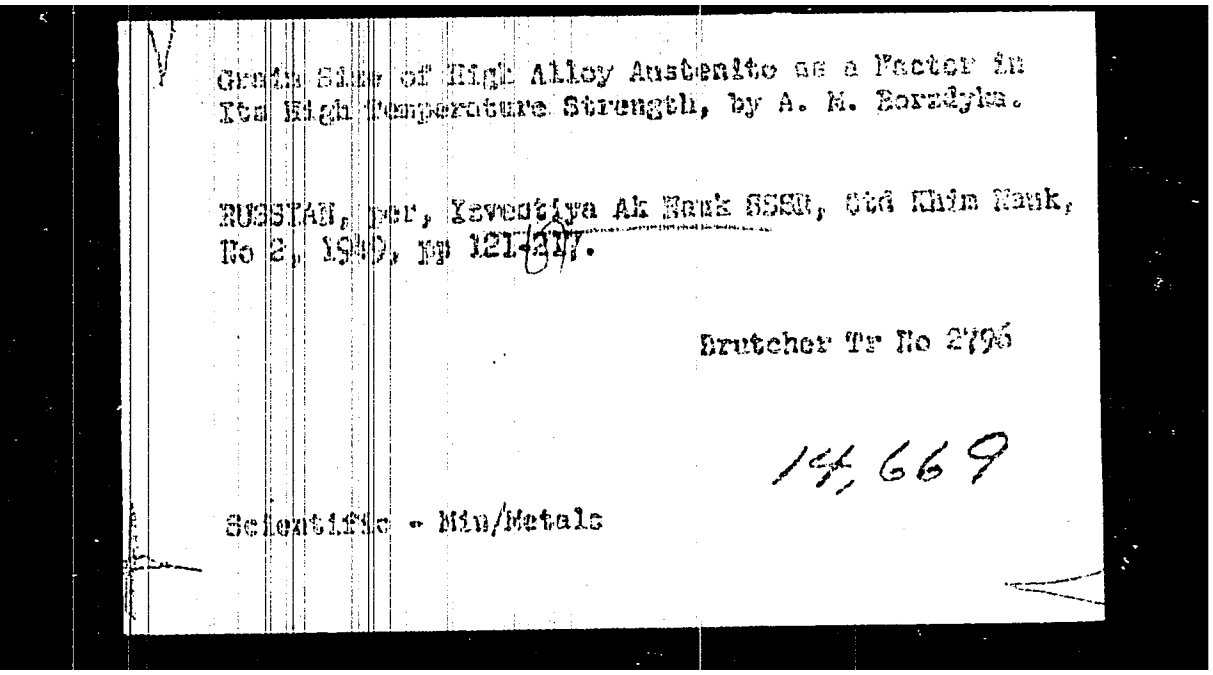
The Interaction of the Hydrochlorides of Amino Acids + Ethylene Oxide

V. M. Rodionov +
N. D. Yartseva

Chem. Technol. Inst. Ivanovo
(Jan 51 Listing)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



Grain Size of High Alloy Austenite as a Factor in Its High Temperature Strength, by A. M. Borzdyka.

RUSSIAN, per, Zhurnal Ak Nauk SSSR, Otd Khim Nauk, No 2, 1949, pp 121-127.

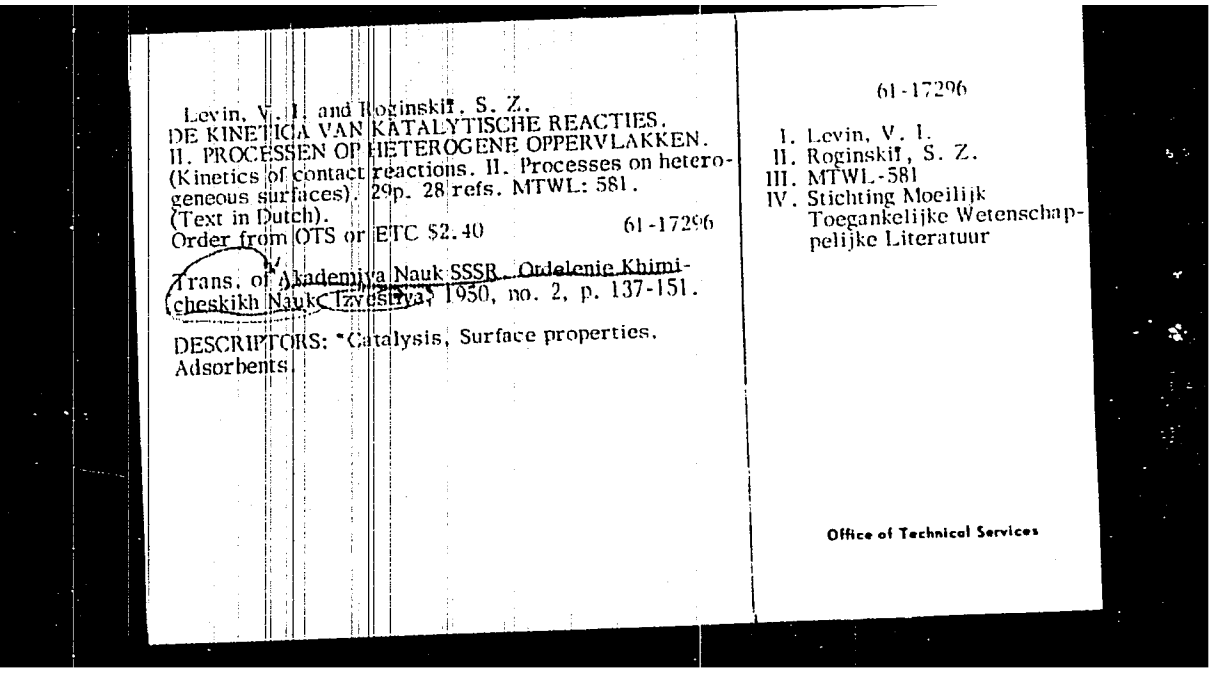
Brutcher Tr No 2796

14,669

Scientific - Min/Metals

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



Levin, V. I. and Roginskiĭ, S. Z.
DE KINETICA VAN KATALYTISCHE REACTIES.
II. PROCESSEN OP HETEROGENE OPPERVLAKKEN.
(Kinetics of contact reactions. II. Processes on heterogeneous surfaces). 29p. 28 refs. MTWL: 581.
(Text in Dutch).
Order from OTS or ETC $2.40 61-17296

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1950, no. 2, p. 137-151.

DESCRIPTORS: *Catalysis, Surface properties, Adsorbents

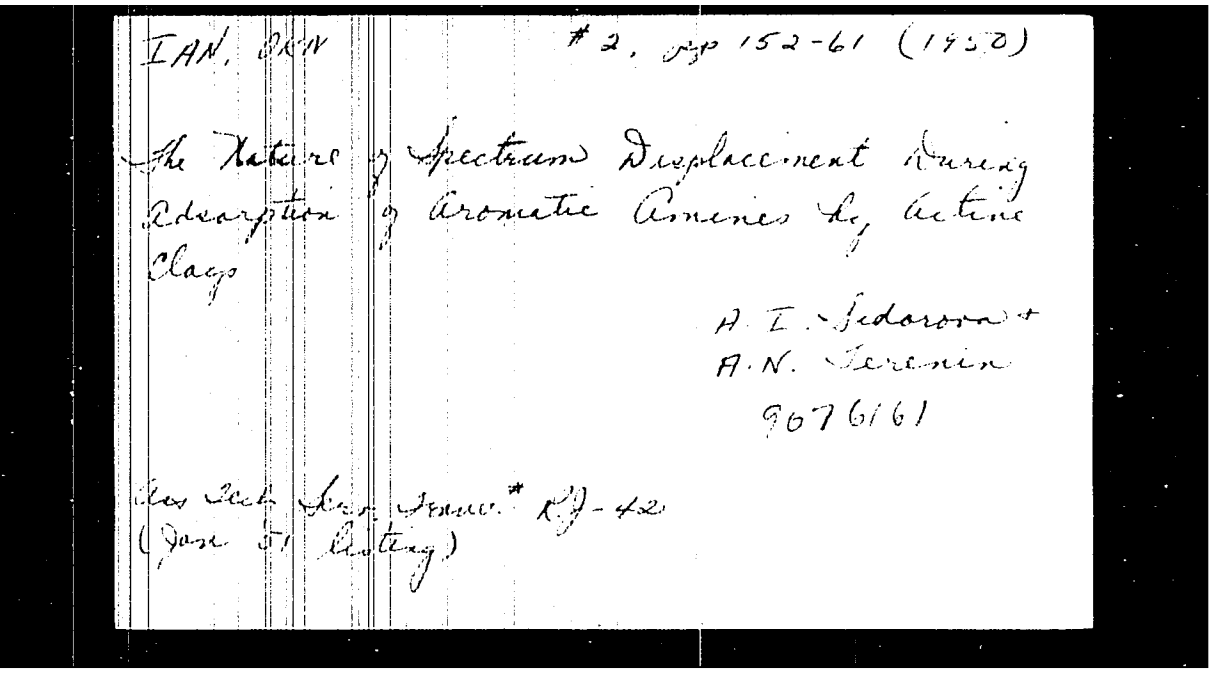
61-17296

I. Levin, V. I.
II. Roginskiĭ, S. Z.
III. MTWL-581
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



IAN, SSSR #2, pp 152-61 (1960)

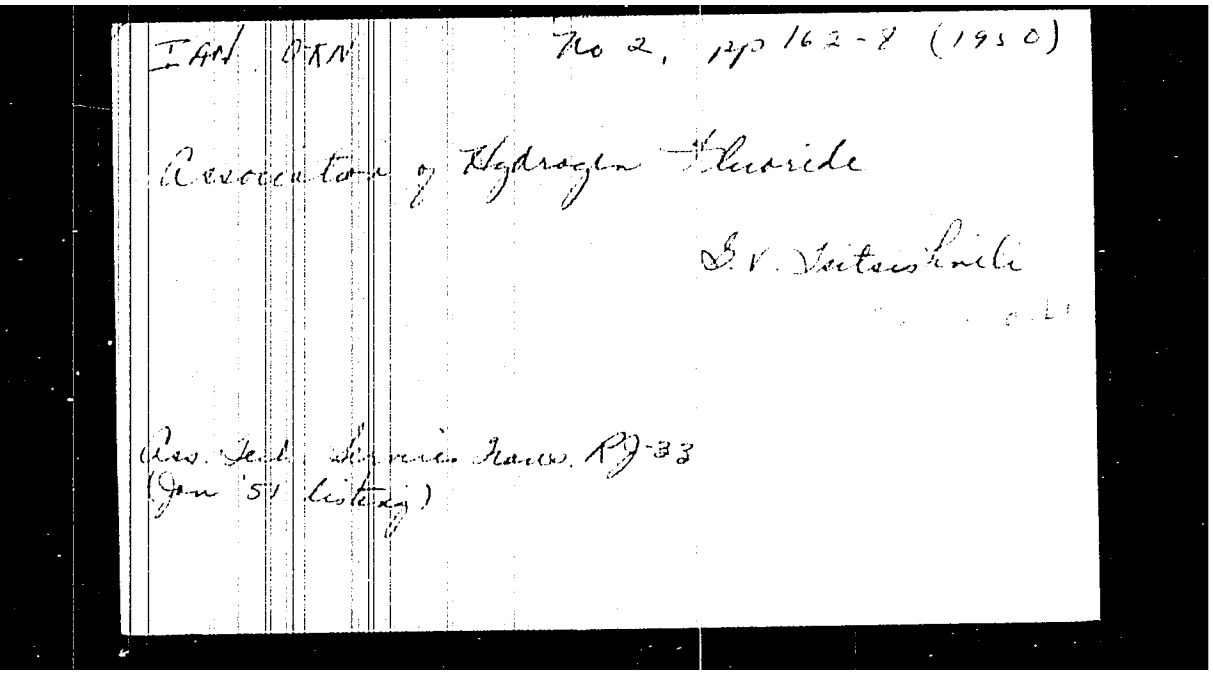
The Nature of Spectrum Displacement During Adsorption of Aromatic Amines by Active Clays

A. I. Fedorova
A. N. Terenin
9076161

Los Tech. Lib. Trans. * 1[illegible]-42
(Jan 51 Catalog)

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170047-8



IAN. ORN No 2, 1950 162-8 (1950)

Evaporation of Hydrogen Fluoride

B. V. Ioffe and Nikolskii

(Rev. Sci. Instruments, Russ. Ed. 33
(Jan '51 listing))

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Kochetkov, A. K. and Freidlina, R. Kh.
SOME NEW POSSIBILITIES OF SYNTHESIS OF ORGANOMETALLIC COMPOUNDS OF LEAD, TIN AND THALLIUM. [1963] 9p 26refs
Order from OTS or SLA $1.10 63-18214

Trans. of Akademiya Nauk SSSR, Otdelenie Khimicheskikh Nauk, Izvestiya, 1950, p. 203-208.

DESCRIPTORS: *Metalorganic compounds, *Lead compounds, *Tin compounds, *Thallium compounds, Chlorides, Halides, Phenyl radicals, Acetates, Mercury compounds, Chemical reactions, Synthesis, (Chemistry).

The possibility is demonstrated of synthesizing organotin compounds of the type R_2SnX_2 from organolead salts, R_2PbX_2. A new method of synthesis
(Chemistry--Organic, TT, v. 10, no. 10)

63-18214

I. Kochetkov, A. K.
II. Freidlina, R. Kh.

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Study of the Kinetics of Thermal Decomposition of Solid Permanganates, by S. Yu. Elovich, S. Z. Roginskii, E. I. Shmuk

RUSSIAN, per, Iz Ak Nauk, Otdel Khim Nauk, No 5, 1950, pp 469-474.

AEC Tr 1108

Scientific - Physics

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Freidlin, L. Kh., Neimark, I. E., Fridman, G. A., Sheinfain, R. Yu., and Khatset, F. I.
RELATION BETWEEN CHARACTER OF POROSITY OF SILICA GEL AND ITS CATALYTIC PROPERTIES. [1963] 21p 7refs
Order from OTS or SLA $2.60 63-18675

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1950, no. 5, p. 521-530.

DESCRIPTORS: *Silicon compounds, Dioxides, *Gels, Porosity, Catalysis, Chemical reactions, Benzenes, Chlorides.

The interrelations among the porous structure of silica gel, its catalytic activity, its specificity, and its thermal stability in the reaction of vapor-phase hydrolysis of chlorobenzene is investigated. (Author)

(Chemistry--Organic, TT, v. 10, no. 11)

63-18675

I. Freidlin, L. Kh.
II. Neimark, I. E.
III. Fridman, G. A.
IV. Sheinfain, R. Yu.
V. Khatset, F. I.

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Topography of the Pyrolytic Decomposition of Barium Permanganate, by S. Z. Roginskii, Z. I. Shmuk, and M. Ya. Kushnerev, 7 ff.

Full translation.

RUSSIAN, per, Izv Ak Nauk SSSR, Otdel Khim Nauk, Vol VI, 1950, pp 573-575.

ABC Tr 1261

Scientific - Chemistry

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